

PATENT
Customer No. 22,852
Attorney Docket No. 02481.1832

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Heiner GLOMBIK, et al.) Group Art Unit: Unassigned
)
Application No.: Unassigned) Examiner: Unassigned
)
Filed: Concurrently)
)
For: NOVEL THIOPHENE GLYCOSIDE)
DERIVATIVES, PROCESSES FOR)
THEIR PREPARATION,)
MEDICAMENTS COMPRISING)
THESE COMPOUNDS, AND THE)
USE THEREOF)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents, including any copending patent applications, are attached.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

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The following applies to the non-English language documents.

1. **WO 01/83451**: A Derwent Abstract of this document is attached. This document is also believed to be a counterpart of European Patent Application No. 1 277 736, a copy of which is attached.
2. **WO 99/15525**: A Derwent Abstract of this document is attached. This document is also believed to be a counterpart of U.S. Patent No. 6,380,230, a copy of which is attached.
3. **EP 0 462 884**: A Derwent Abstract of this document is attached. This document is also believed to be a counterpart of U.S. Patent No. 5,190,923, a copy of which is attached.
4. The journal article by H. **Fiesselmann**, et al. is discussed in the specification at p. 63, paragraph 231 and p. 69, paragraph 254.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

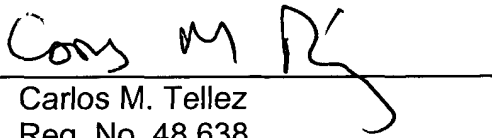
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If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
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By: 
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Dated: July 11, 2003

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INFORMATION DISCLOSURE CITATION

Atty. Docket No.	02481.1832-00000	Appln. No.	Unassigned
Applicant	Heiner GLOMBIK, et al.		
Filing Date	Herewith	Group:	Unassigned

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	1	6,221,633	24 APR 01	Ertl et al.			
	2	6,324,512	27 NOV 01	Junqua et al.			
	3	6,380,230	30 APR 02	Brodin et al.			
	4	5,190,923	02 MAR 93	Vincent et al.			

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	5	WO 98/08871 ✓	05 MAR 98	PCT			published in English
	6	WO 97/26265 ✓	24 JUL 97	PCT			published in English
	7	WO 99/03861 ✓	28 JAN 99	PCT			published in English
	8	WO 00/64888 ✓	02 NOV 00	PCT			published in English
	9	WO 97/41097 ✓	06 NOV 97	PCT			published in English
	10	WO 01/91752 ✓	06 DEC 01	PCT			published in English
	11	WO 01/83451 ✓	08 NOV 01	PCT			
	12	WO 00/64876 ✓	02 NOV 00	PCT			published in English
	13	WO 00/66585 ✓	09 NOV 00	PCT			published in English
	14	WO 99/15525 ✓	01 APR 99	PCT			
	15	WO 00/71549 ✓	30 NOV 00	PCT			published in English
	16	EP 0 462 884 ✓	27 DEC 91	European			
	17	WO 00/78312 ✓	28 DEC 00	PCT			published in English
	18	WO 00/40569 ✓	13 JUL 00	PCT			published in English
	19	WO 01/09111 ✓	08 FEB 01	PCT			published in English
	20	WO 01/85695 ✓	15 NOV 01	PCT			published in English
	21	EP 1 277 736 ✓	22 JAN 03	European			published in English

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Applicant	Heiner GLOMBIK, et al.		
Filing Date	Herewith	Group:	Unassigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
22	J. Fuentes, et al., "Reactions of per-0-acetylglucosyl isothiocyanate with carbon bases. A new method for the stereocontrolled syntheses of nucleosides and glucosylaminothiophenes," Tetrahedron: Asymmetry, 9:2517-32 (1998).		✓
23	H. Okada, et al., "Synthesis and antitumor activities of prodrugs of benzoylphenylureas," Chem. Pharm. Bull. 42(1) 57-61 (1994).		✓
24	P. Tyle, "Iontophoretic Devices for Drug Delivery," Pharmaceutical Research, 3(6):318-26 (1986).		✓
25	A. Asakawa, et al., "Cocaine-amphetamine-regulated transcript influences energy metabolism, anxiety and gastric emptying in mice," Horm Metab Res, 33:554-58 (2001).		✓
26	D. W. Lee, et al., "Leptin agonists as a potential approach to the treatment of obesity," Drugs of the Future 26(9):873-81 (2001).		✓
27	J. Salvador, et al., "Perspectives in the therapeutic use of leptin," Expert Opinion on Pharmacotherapy, 1615-22 (2001).		✓
28	H. J. F. Zunft, et al., "Carob pulp preparation for treatment of hypercholesterolemia," Advances in Therapy, 8(5):230-36 (2001).		✓
29	H. Fiesselmann, et al., Chem. Ber., 1907-13 (1956).		✓
30	M. D. Mullican, et al., "Novel thiophene-, pyrrole-, furan-, and benzenecarboxamidotetrazoles as potential antiallergy agents," J. Med. Chem., 34:2186-94 (1991).		✓
31	G. M. Karp, et al., "Preparation of 4-hydroxy-2-trifluoromethylthiophene: A novel bioisostere of α, α, α -trifluoro-m-cresol," Synthesis, 8:1078-80 (2000).		✓
32	Derwent abstract for PCT application publication no. WO 01/83451.		✓
33	Derwent abstract for PCT application publication no. WO 99/15525.		✓
34	Derwent abstract for European application no. EP 0 462 884.		✓

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce